

REMARKS

Claims 1-56, 58-90, and 92-93 were pending. Of these claims, claims 7, 51-56, and 85-90 were withdrawn from consideration. None of the claims has been amended.

Applicant respectfully notes that although the Examiner indicated consideration of six Information Disclosure Statements, he did not indicate consideration of the Information Disclosure Statements that were received by the USPTO on February 12, 2001, February 26, 2001, July 28, 2003, September 15, 2003, November 12, 2003, February 24, 2004, and October 18, 2004. In order to expedite prosecution of this application, Applicant has enclosed duplicate copies of these Information Disclosure Statements and stamped postcards showing that they were received by the USPTO on these dates. **Applicant respectfully requests that the Examiner indicate consideration of the documents submitted with these Information Disclosure Statements by initialing the PTO-1449 forms submitted therewith, and attaching same to the next communication to Applicant.**

Claims 12, 17, 23, and 29 stand rejected under 35 U.S.C. § 112, second paragraph, as being incomplete for omitting essential elements. Applicant respectfully traverses. The Examiner did not indicate which elements were omitted (if any). On February 15, 2005, the undersigned attorney and the Examiner discussed this rejection over the phone. The Examiner stated that he did not mean to include this rejection and that Applicant should ignore the rejection.

Claims 1-6, 8-11, 37-46, 50, 58-59, 75-80, 84, and 92-93 stand rejected under 35 U.S.C. § 102(e) as being anticipated by Sharma. Applicant respectfully traverses. The filing date of Sharma is February 11, 2000. Applicant's invention was reduced to practice in the United States prior to February 11, 2000. Therefore, Applicant submits a declaration and appropriate attached exhibit according to 37 C.F.R. § 1.131 to overcome Sharma.

Claims 47-49 and 81-83 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharma in view of Official Notice. Applicant respectfully traverses. These claims depend from their respective base claims, which are patentable over Sharma. In addition, these claims recite other features not included in their respective base claims. Thus, claims 47-49 and 81-83 are patentable over Sharma in view of Official Notice. Additionally, for the record, Applicant traverses the Examiner's assertions concerning the disclosure of Official Notice and the motivation to combine Sharma and Official Notice.

Claims 12-36 and 60-74 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Sharma in view of Deianov. Applicant respectfully traverses. The filing date of Deianov is February 4, 2000. Applicant's invention was reduced to practice in the United States prior to February 4, 2000. Therefore, Applicant submits a declaration and appropriate attached exhibit according to 37 C.F.R. § 1.131 to overcome Deianov.

Applicant submits that this declaration under 37 C.F.R. § 1.131 to overcome Sharma and Deianov could not have been submitted previously, because the Examiner cited Sharma and Deianov for the first time in the Office Action dated January 26, 2005.

Applicant respectfully requests consideration of the declaration and attached exhibit and a notice of allowance concerning pending claims 1-56, 58-90, and 92-93. If the Examiner believes that the declaration and attached exhibit are in any way insufficient to overcome Sharma and Deianov according to 37 C.F.R. § 1.131, Applicant respectfully requests that the Examiner contact the undersigned attorney by telephone to discuss the matter.

Favorable action is hereby solicited.

Respectfully submitted,

PAWAN GOYAL

Dated: 3-3-05

By: Sabra-Anne R. Truesdale

Sabra-Anne R. Truesdale

Reg. No. 55,687

Fenwick & West LLP

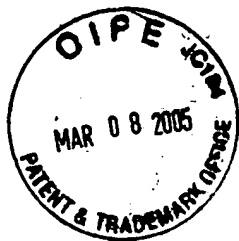
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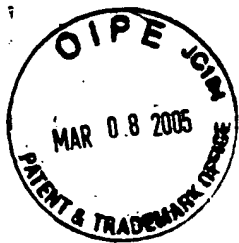


Date Mailed: 2/9/01 Atty/Sec: JB/cck Filing Date: February 14, 2000
Serial No. 09/503,975 Docket No.: 21816-04464
Applicant: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

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21816/04464/DOCS/1142563.1



PATENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANTS: Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of Specific
Network Addresses
EXAMINER: Not yet known
GROUP ART UNIT: 2759
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: _____

2/9/01

By: _____

A.C. Smith

Albert C. Smith, Reg. No.: 20,355

COMMISSIONER FOR PATENTS
WASHINGTON, DC. 20231

INFORMATION DISCLOSURE STATEMENT
Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. A copy is enclosed herewith of each listed reference which may be material to the examination of this application, and with respect to which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).

The Information Disclosure Statement submitted herewith is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first official action on the merits, whichever event last occurred; OR
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either:
- (1) a final action under 37 CFR § 1.113; OR
 - (2) a notice of allowance under 37 CFR § 1.311; AND
- ☐ attached hereto is the fee of \$180, as set forth under 37 CFR § 1.17(p), for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement.
- OR
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either:

- [1] a final action under 37 CFR § 1.113; OR
- [2] a notice of allowance under 37 CFR § 1.311; AND
- in accordance with the requirements of 37 CFR § 1.97(d):
- ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND
- ☐ Applicant hereby respectfully petitions for the consideration of the accompanying Information Disclosure Statement under 37 CFR § 1.97(d)(2); AND
- ☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

☒ Applicant submits that no fee is required for the consideration of the accompanying Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 2/9/01

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|---|--|--|--|--------------------------------------|--------------------------|
| FORM PTO-1449 (REV. 8-89) | | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office | | Attorney's Docket No. 21816-04464 | Serial No. 09/503,975 |
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | Applicant Pawan Goyal | |
| | | | | Filing Date February 14, 2000 | |
| | | | | Group Art Unit 2759 | |

| U.S. PATENT DOCUMENTS | | | | | | | | | |
|-----------------------|-----------------|----------|----------------|-------|----------|----------------------------|--|--|--|
| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate | | | |
| | A 6 0 7 5 9 3 8 | 06/13/00 | Bugnion et al. | 395 | 500.48 | 06/10/98 | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
|--------------------------|-----------------|------|---------|-------|----------|-------------|----|--|--|
| | Document Number | Date | Country | Class | Subclass | Translation | | | |
| | | | | | | Yes | No | | |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
|--|---|--|
| B | Keshav, S., <i>An Engineering Approach to Computer Networking: ATM Networks, the Internet, and the Telephone Network</i> , Reading, MA, Addison-Wesley, 1997, pp vii-xi, 85-115, 209-355, 395-444 | |
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Sheet 2 of 2

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| FORM PTO-1449 (REV. 6-89) INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office | Attorney's Docket No. 21816-04464 | Serial No. 09/503,975 |
| | Applicant Pawan Goyal | | |
| | Filing Date February 14, 2000 | Group Art Unit 2759 | |

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
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| | U | McDougall, R., et al., <i>Resource Management</i> , Upper Saddle River, NJ, Prentice Hall, 1999, pp iii-xix, 135-191 |
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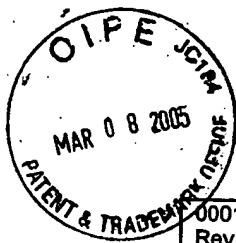
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Date Mailed: 9/11/03 | Atty/Sec: JB/ck | Filing Date: February 14, 2000
Application No.: 09/503,975 | Docket No.: 21816-04464
Applicants: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| 0001/PTO Rev. 10/95 | | U.S. Department of Commerce Patent and Trademark Office | |
| TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i> | | Application Number | 09/503,975 |
| | | Filing Date | February 14, 2000 |
| | | First Named Inventor | Pawan Goyal |
| | | Group Art Unit Number | 2134 |
| | | Examiner Name | Thomas M. Ho |
| Total Number of Pages in This Submission | 5* | Attorney Docket Number | 21816-04464 |

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REMARKS: *Total Number of Pages in This Submission does not include cited references.

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|--------------------------------|--------------------------------|----------------|
| Signature: | | |
| Attorney/Reg. No.: | Jeffrey Brill, Reg. No. 51,198 | Dated: 9/11/03 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
EXAMINER: Thomas M. Ho
GROUP ART UNIT: 2134
ATTY. DKT. NO.: 21816-04464

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Dated: 9/11/03

By:

Jeffrey Brill, Reg. No.: 51,198

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P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

PATENT

- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

PATENT

foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

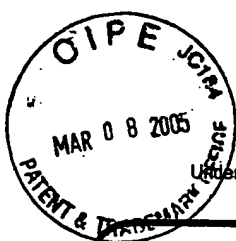
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No.[APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 9/11/03

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| Substitute for form 1449A/PTO | | | | Complete if Known | |
|--|---|----|---|------------------------|-------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application No. | 09/503,975 |
| | | | | Filing Date | February 14, 2000 |
| | | | | First Named Inventor | Pawan Goyal |
| | | | | Art Unit | 2134 |
| | | | | Examiner Name | Thomas M. Ho |
| Sheet | 1 | of | 1 | Attorney Docket Number | 21816-04464 |

| U.S. PATENT DOCUMENTS | | | | |
|-----------------------|-----------------------|--|--------------------|--|
| Examiner Initials* | Cite No. ¹ | Document No. Number – Kind Code ² (if known) | Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | A | US-6,393,484 B1 | 05/21/2002 | Massarani |
| | B | 5,978,373 | 11/02/1999 | Hoff et al. |
| | C | 5,920,699 | 07/06/1999 | Bare |
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| FOREIGN PATENT DOCUMENTS | | | | |
|--------------------------|-----------------------|--|--------------------------------|--|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
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| OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ⁶ |
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| Examiner Signature | | Date Considered | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

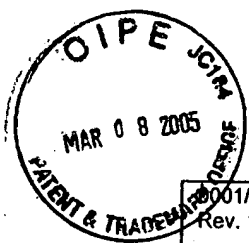
¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Date Mailed: 7/25/03 | Attv/Sec: SAT/dkc | Filing Date: February 14, 2000
Application No.: 09/503,975 | Docket No.: 21816-04464
Applicants: Pawan Goyal
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
Please imprint Patent Office "date stamp" hereon to indicate receipt and return card to addressee.

Transmittal
IDS, PTO/SB/08A and cited references





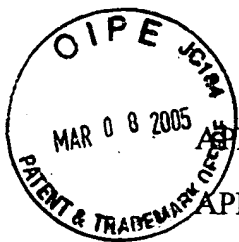
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|--|-----|------------------------|-------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i> | | Application Number | 09/503,975 |
| | | Filing Date | February 14, 2000 |
| | | First Named Inventor | Pawan Goyal |
| | | Group Art Unit Number | 2131 |
| | | Examiner Name | Gail O. Hayes |
| Total Number of Pages in This Submission | 6** | Attorney Docket Number | 21816-04464 |

| ENCLOSURES (check all that apply) | |
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| <input type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Check Enclosed | <input type="checkbox"/> Issue Fee Transmittal |
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| <input type="checkbox"/> Response to Notice to File Missing Parts | <input type="checkbox"/> Formal Drawing(s): [] Sheet(s) of Figure(s) [] |
| <input type="checkbox"/> Assignment & Recordation Cover Sheet | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Declaration | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Power of Attorney | <input type="checkbox"/> Certified Copy of Priority Document(s) |
| <input type="checkbox"/> Application Data Sheet | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input checked="" type="checkbox"/> Copies of IDS Cited References | <input type="checkbox"/> |
| <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> |
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| <input type="checkbox"/> Status Request | <input type="checkbox"/> |
| <input type="checkbox"/> Revocation and Substitute Power of Attorney | <input type="checkbox"/> |

REMARKS: ** "Total Number of Pages in This Submission" does not include cited references.

| SIGNATURE OF ATTORNEY OR AGENT | | |
|--------------------------------|--------------------------------|----------------|
| Signature: | | |
| Attorney/Reg. No.: | Jeffrey Brill, Reg. No. 51,198 | Dated: 7/25/03 |

| CERTIFICATE OF MAILING | | |
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| I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10. | | |
| Signature: | | |
| Typed or Printed Name: | Jeffrey Brill | Dated: 7/25/03 |
| Express Mail Mailing Number (optional): | | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Gail O. Hayes
GROUP ART UNIT: 2131
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated: 7/25/03

By: Jeffrey Brill

Jeffrey Brill, Reg. No.: 51,198

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;



- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a


foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No.[APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 7 / 25 / 03

By: 
Jeffrey Brill, Reg. No.: 51,198
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7291
Fax.: (650) 938-5200



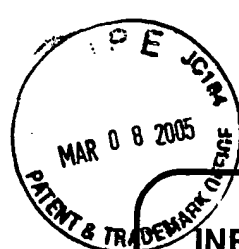
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|--|---|----|--------------------------|------------------------|-------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | Complete if Known | | |
| | | | Application No. | 09/503,975 | |
| | | | Filing Date | February 14, 2000 | |
| | | | First Named Inventor | Pawan Goyal | |
| | | | Art Unit | 2131 | |
| | | | Examiner Name | Gail O. Hayes | |
| Sheet | 1 | of | 2 | Attorney Docket Number | 21816-04464 |

| U.S. PATENT DOCUMENTS | | | | |
|-----------------------|-----------------------|--|--------------------|--|
| Examiner Initials* | Cite No. ¹ | Document No. Number - Kind Code ² (if known) | Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | A | US-6,553,413 | 04-22-2003 | Leighton et al. |
| | B | US-6,529,950 | 03-04-2003 | Lumelsky et al. |
| | C | US-6,499,137 | 12-24-2002 | Hunt |
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| | F | US-6,385,638 | 05-07-2002 | Baker-Harvey |
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| | J | US-6,336,138 | 01-01-2002 | Caswell et al. |
| | K | US-6,327,622 | 12-04-2001 | Jindal et al. |
| | L | US-6,314,558 | 11-06-2001 | Angel et al. |
| | M | US-6,286,047 | 09-04-2001 | Ramanathan et al. |
| | N | US-6,282,703 | 08-28-2001 | Meth et al. |
| | O | US-6,279,040 | 08-21-2001 | Ma et al. |
| | P | US-6,279,039 | 08-21-2001 | Bhat et al. |
| | Q | US-6,247,057 | 06-12-2001 | Barrera |
| | R | US-6,240,463 | 05-29-2001 | Benmohamed et al. |
| | S | US-6,230,203 | 05-08-2001 | Koperda et al. |
| | T | US-6,172,981 | 01-09-2001 | Cox et al. |
| | U | US-6,154,778 | 11-28-2000 | Koistinen et al. |
| | V | US-6,154,776 | 11-28-2000 | Martin |
| | W | US-6,108,701 | 08-22-2000 | Davis et al. |
| | X | US-6,094,674 | 07-25-2000 | Hattori, et al. |
| | Y | US-6,092,178 | 07-18-2000 | Jindal et al. |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

| | |
|------------------------|-------------------|
| Application No. | 09/503,975 |
| Filing Date | February 14, 2000 |
| First Named Inventor | Pawan Goyal |
| Art Unit | 2131 |
| Examiner Name | Gail O. Hayes |
| Attorney Docket Number | 21816-04464 |

Sheet 2 of 2

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document No. Number - Kind Code ² (if known) | Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|--|--------------------|--|
| | Z | US-6,055,617 | 04-25-2000 | Kingsbury |
| | AA | US-6,038,609 | 03-14-2000 | Geulen |
| | BB | US-6,038,608 | 03-14-2000 | Katsumanta |
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| | HH | US-5,799,173 | 08-25-1998 | Gossler et al. |
| | II | US-5,719,854 | 02-17-1998 | Choudhury et al. |
| | JJ | US-5,640,595 | 06-17-1997 | Baughner et al. |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ |
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OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

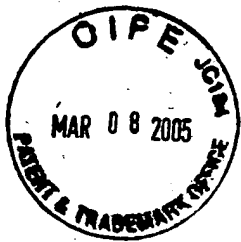
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ⁶ |
|--------------------|-----------------------|---|----------------|
| | KK | Symbol Table, [online] copyright 1997, 1998, [Retrieved on April 4, 2003] Retrieved from the internet < URL: http://216.239.33.100/search?q=cache:eASXk8qC_-AC:www.caldera.com/developers/gabi/1998-04-29/ch4.s...], Pages 1-5 | |

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| Examiner Signature | | Date Considered | |
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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

21816/04464/DOCS/1365859.1



Date Mailed: 2/21/01 Atty/Sec: JB/cck Filing Date: February 14, 2000

Serial No. 09/503,975

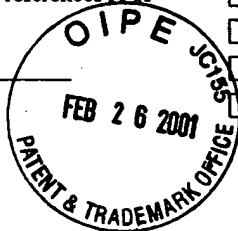
Docket No.: 21816-04464

Applicant: Pawan Goyal

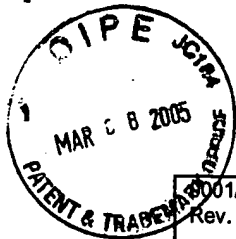
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

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| <input type="checkbox"/> Small Entity Statement | <input type="checkbox"/> Letter to Chief Draftsperson |
| <input checked="" type="checkbox"/> IDS, PTO-1449, and cited references A-H | <input type="checkbox"/> Formal Drawings: __ sheets |
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| <input type="checkbox"/> Check in the amount of \$ _____ | <input type="checkbox"/> Request for Certificate of Correction |
| <input type="checkbox"/> Other: | <input type="checkbox"/> Notice of Appeal |



21816/04464/DOCS/1142563.1



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| TRANSMITTAL FORM (to be used for all correspondence during pendency of filed application) | | Application Number | 09/503,975 |
| | | Filing Date | February 14, 2000 |
| | | First Named Inventor | Pawan Goyal |
| | | Group Art Unit Number | 2759 |
| | | Examiner Name | Not yet known |
| Total Number of Pages In This Submission | 5* | Attorney Docket Number | 21816-04464 |

| ENCLOSURES (check all that apply) | |
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| <input type="checkbox"/> Declaration | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Small Entity Statement | <input type="checkbox"/> Certified Copy of Priority Document(s) |
| <input checked="" type="checkbox"/> Information Disclosure Statement & PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Cited References A-H | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> |
| <input type="checkbox"/> Request for Correction of Recorded Assignment | <input type="checkbox"/> |
| <input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final | <input type="checkbox"/> |
| <input type="checkbox"/> Status Request | <input type="checkbox"/> |
| <input type="checkbox"/> Revocation and Power of Attorney | <input type="checkbox"/> |
| REMARKS: *Does not include cited reference pages. | |

| SIGNATURE OF ATTORNEY OR AGENT | | | |
|--------------------------------|----------------------------------|--------|---------|
| Signature: | | | |
| Attorney/Reg. No.: | Albert C. Smith, Reg. No. 20,355 | Dated: | 2/24/01 |

| CERTIFICATE OF MAILING | | | |
|---|-----------------|--------|---------|
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| Signature: | | | |
| Typed or Printed Name: | Albert C. Smith | Dated: | 2/24/01 |
| Express Mail Mailing Number (optional): | | | |



PATENT

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

APPLICANTS: Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of Specific Network Addresses
EXAMINER: Not yet known
GROUP ART UNIT: ~~2759~~ 2131
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Washington, D.C. 20231, on the date shown below:

Dated: 2/21/01

By: a.c. Smith
Albert C. Smith, Reg. No.: 20,355

COMMISSIONER FOR PATENTS
WASHINGTON, DC. 20231

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO-1449 listing references for consideration by the Examiner. A copy is enclosed herewith of each listed reference which may be material to the examination of this application, and with respect to which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No. [SERIAL NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).

The Information Disclosure Statement submitted herewith is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first official action on the merits, whichever event last occurred; OR
- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either:
- (1) a final action under 37 CFR § 1.113; OR
 - (2) a notice of allowance under 37 CFR § 1.311; AND
- ☐ attached hereto is the fee of \$180, as set forth under 37 CFR § 1.17(p), for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement.
- OR
- ☐ before the payment of the issue fee but after the mailing date of the first to occur of either:

- [1] a final action under 37 CFR § 1.113; OR
- [2] a notice of allowance under 37 CFR § 1.311; AND
- in accordance with the requirements of 37 CFR § 1.97(d):
- ☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:
- ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
- ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this certification after making reasonable inquiry, was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND
- ☐ Applicant hereby respectfully petitions for the consideration of the accompanying Information Disclosure Statement under 37 CFR § 1.97(d)(2); AND
- ☐ Applicant submits the petition fee of \$180 as set forth in 37 CFR § 1.17(p).

☒ Applicant submits that no fee is required for the consideration of the accompanying Information Disclosure Statement.

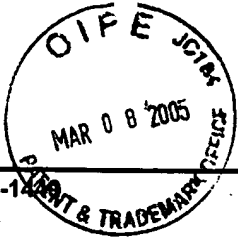
Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 2/21/01

By: Albert C. Smith
Albert C. Smith, Reg. No.: 20,355
Fenwick & West LLP
Two Palo Alto Square
Palo Alto, CA 94306
Tel.: (650) 858-7296
Fax.: (650) 494-1417

21816/04464/DOCS/1142558.1

FORM PTO-1449
(REV. 6-89)U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney's Docket No.

21816-04464

Serial No.

09/503,975

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant

Pawan Goyal

Filing Date

February 14, 2000

Group Art Unit

2759

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
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FOREIGN PATENT DOCUMENTS

| Document Number | Date | Country | Class | Subclass | Translation |
|-----------------|------|---------|-------|----------|-------------|
| | | | | | Yes No |
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|---|--|
| A | Goyal, P. et al., "Start-time Fair Queuing: A Scheduling Algorithm for Integrated Services Packet Switching Networks," Proceedings of ACM SIGCOMM '96, San Francisco, CA, August 1996, 14 pages |
| B | János, T., "Notes on 'A Hierarchical CPU Scheduler for Multimedia Operating Systems' by Pawan Goyal, Xingang Guo and Harrick Vin," [online], [retrieved on 5-8-2000]. Retrieved from the internet: <URL: http://cs.cornell.edu/Info/Courses/Spring-97/CS614/goy.html > |
| C | Goyal, P., "Packet Scheduling Algorithms for Integrated Services Networks," PhD Dissertation, University of Texas, Austin, TX, August 1997 |
| D | Pending United States patent application entitled "Providing Quality of Service Guarantees to Virtual Hosts," serial number 09/452,286, filing date November 30, 1999 |
| E | Pending United States patent application entitled "Selective Interception of System Calls," serial number 09/499,098, filing date February 4, 2000 |
| F | Pending United States patent application entitled "Dynamic Scheduling of Task Streams in a Multiple-Resource System to Ensure Task Stream Quality of Service," serial number 09/498,450, filing date February 4, 2000 |
| G | Pending United States patent application entitled "Disambiguating File Descriptors," serial number 09/500,212, filing date February 8, 2000 |
| H | Pending United States patent application entitled "Restricting Communication Between Network Devices on a Common Network," serial number 09/502,155, filing date February 11, 2000 |

EXAMINER

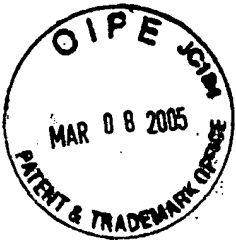
DATE CONSIDERED

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Include copy of this form with next communication to applicant.

PTO-1449

REV: 02/01

21816/04464/DOCS/1145394.1



Date Mailed: 2-20-04 | Atty/Par: SAT/klm | Filing Date: February 14, 2000

Application No.: 09/503,975 | Docket No.: 21816-04464

Applicants: Pawan Goyal

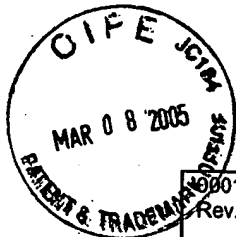
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

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Transmittal

IDS, PTO/SB/08A and cited references



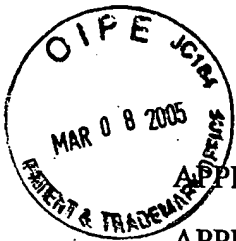


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|--|----|--|-------------------|
| 0001/PTO Rev. 10/95 | | U.S. Department of Commerce Patent and Trademark Office | |
| TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i> | | Application Number | 09/503,975 |
| | | Filing Date | February 14, 2000 |
| | | First Named Inventor | Pawan Goyal |
| | | Group Art Unit Number | 2134 |
| | | Examiner Name | Thomas M. Ho |
| Total Number of Pages in This Submission | 5* | Attorney Docket Number | 21816-04464 |

| ENCLOSURES (check all that apply) | |
|---|---|
| <input type="checkbox"/> Fee Transmittal Form (In duplicate) <input type="checkbox"/> Check Enclosed | <input type="checkbox"/> Issue Fee Transmittal |
| <input checked="" type="checkbox"/> Return Receipt Postcard | <input type="checkbox"/> Letter to Chief Draftsperson |
| <input type="checkbox"/> Response to Notice to File Missing Parts | <input type="checkbox"/> Formal Drawing(s): [] Sheet(s) of Figure(s) [] |
| <input type="checkbox"/> Assignment & Recordation Cover Sheet | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Declaration | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Power of Attorney | <input type="checkbox"/> Certified Copy of Priority Document(s) |
| <input type="checkbox"/> Application Data Sheet | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input checked="" type="checkbox"/> Copies of IDS Cited References | <input type="checkbox"/> |
| <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> |
| <input type="checkbox"/> Request for Correction of Recorded Assignment | <input type="checkbox"/> |
| <input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final | <input type="checkbox"/> |
| <input type="checkbox"/> Status Request | <input type="checkbox"/> |
| <input type="checkbox"/> Revocation and Substitute Power of Attorney | <input type="checkbox"/> |
| REMARKS: *Total Number of Pages in This Submission does not include cited references. | |

| SIGNATURE OF ATTORNEY OR AGENT | |
|--------------------------------|---|
| Signature: | <i>Sabra-Anne Truesdale</i> |
| Attorney/Reg. No.: | Sabra-Anne Truesdale, Reg. No. P-55,687 |
| Dated: | 2-20-04 |

| CERTIFICATE OF MAILING | |
|---|-----------------------------|
| I hereby certify that this correspondence, including the enclosures identified above, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. If the Express Mail Mailing Number is filled in below, then this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 CFR 1.10. | |
| Signature: | <i>Sabra-Anne Truesdale</i> |
| Typed or Printed Name: | Sabra-Anne Truesdale |
| Dated: | 2-20-04 |
| Express Mail Mailing Number (optional): | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Thomas M. Ho
GROUP ART UNIT: 2134
ATTY. DKT. NO.: 21816-04464

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below:

Dated: 2-20-04

By: Sabra-Anne Truesdale
Sabra-Anne Truesdale, Reg. No. P-55,687

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

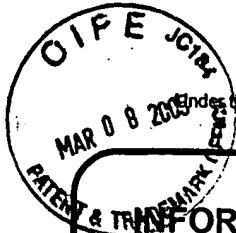
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No.[APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 2-20-04

By: Sabra-Anne Truesdale
Sabra-Anne Truesdale, Reg. No. P-55,687
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7187
Fax.: (650) 938-5200



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known.**

| | |
|------------------------|-------------------|
| Application No. | 09/503,975 |
| Filing Date | February 14, 2000 |
| First Named Inventor | Pawan Goyal |
| Art Unit | 2134 |
| Examiner Name | Thomas M. Ho |
| Attorney Docket Number | 21816-04464 |

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|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document No. Number - Kind Code ² (if known) | Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|--|--------------------|--|
| | A1 | US-5,572,680 | 11-05-1996 | Ikeda et al. |
| | A2 | US-5,727,203 | 03-10-1998 | Hapner et al. |
| | A3 | US-5,864,683 | 01-26-1999 | Boebert et al. |
| | A4 | US-5,889,996 | 03-30-1999 | Adams |
| | A5 | US-6,298,479B1 | 10-02-2001 | Chessin et al. |
| | A6 | US-6,434,742 | 08-13-2002 | Koepele, Jr. |
| | A7 | US-6,542,167B1 | 04-01-2003 | Darlet et al. |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ |
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OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ⁶ |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

21816/04464/DOCS/1413189.1



Date Mailed: 10-1504 | Atty/Par: SAT/klm | Filing Date: February 14, 2000

Application No.: 09/503,975 | Docket No.: 21816-04464

Applicants: Pawan Goyal

Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

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Transmittal

IDS, PTO/SB/08A and cited references





PTO/SB/21 (modified)
Approved for use through xx/xx/xx, OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| | | | | |
|--|------------------------|--|------------------------|--------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i> | 0001/PTO Rev. 10/95 | U.S. Department of Commerce Patent and Trademark Office | Application Number | 09/503,975 |
| | | | Filing Date | February 14, 2000 |
| | | | First Named Inventor | Pawan Goyal |
| | | | Group Art Unit Number | 2151 |
| | | | Examiner Name | Andrew T. Caldwell |
| Total Number of Pages in This Submission | | 5* | Attorney Docket Number | 21816-04464 |

| ENCLOSURES (check all that apply) | |
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| <input type="checkbox"/> Declaration | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> Power of Attorney | <input type="checkbox"/> Certified Copy of Priority Document(s) |
| <input type="checkbox"/> Application Data Sheet | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input checked="" type="checkbox"/> Copies of IDS Cited References | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Request for Correction of Recorded Assignment | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Status Request | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Revocation and Substitute Power of Attorney | <input type="checkbox"/> _____ |
| REMARKS: *Total Number of Pages in This Submission does not include cited references. | |

| SIGNATURE OF ATTORNEY OR AGENT | | |
|--------------------------------|---------------------------------------|-----------------|
| Signature: | <i>Sabra Anne Truesdale</i> | |
| Attorney/Reg. No.: | Sabra-Anne Truesdale, Reg. No. 55,687 | Dated: 10-15-04 |

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| Signature: | <i>Sabra Anne Truesdale</i> | |
| Typed or Printed Name: | Sabra-Anne Truesdale | Dated: 10-15-04 |
| Express Mail Mailing Number (optional): | | |



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Andrew T. Caldwell
GROUP ART UNIT: 2151
ATTY. DKT. NO.: 21816-04464

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Dated: 10-15-04

By: Sabra-Anne Truesdale

Sabra-Anne Truesdale, Reg. No. 55,687

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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

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- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☒ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing

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date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR §1.113; or (2) an action that otherwise closes prosecution in the application, and:

☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR

☒ Applicant certifies pursuant to 37 CFR § 1.97(e) that:

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☒ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;

☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:

☐ Applicant certifies pursuant to 37 CFR. § 1.97(e) that:

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under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

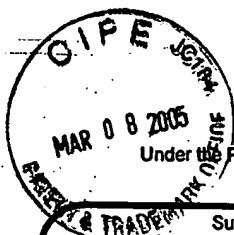
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☒ Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. _____, filed on _____, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ This application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirements under 37 CFR 1.98(a)(2)(i), copies of each U.S. Patent and each U.S. Patent Application Publication are not required to be submitted. Copies of any foreign patent documents and non-patent literature cited herein are enclosed.
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
Pawan Goyal

Dated: 10-15-04

By: Sabra Truesdale
Sabra-Anne Truesdale, Reg. No. 55,687
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7187
Fax.: (650) 938-5200



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

| | |
|------------------------|--------------------|
| Application No. | 09/503,975 |
| Filing Date | February 14, 2000 |
| First Named Inventor | Pawan Goyal |
| Art Unit | 2151 |
| Examiner Name | Andrew T. Caldwell |
| Attorney Docket Number | 21816-04464 |

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of

1

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. | Document No. | | Name of Patentee or Applicant of Cited Document |
|-----------------------|-------------|---|--------------------|--|
| | | Number - Kind Code ² (if known) | Date MM-DD-YYYY | |
| | | US-5,189,667A | 02-1993 | Esaki et al. |
| | | US-5,623,492A | 04-1997 | Teraslinna, Kari |
| | | US-5,838,686A | 11-1998 | Ozkan, Mehmet Kemal |
| | | US-5,889,956A | 03-1999 | Hauser et al. |
| | | US-5,982,748A | 11-1999 | Yin et al. |
| | | US-6,259,699B1 | 07-2001 | Opalka et al. |
| | | US-6,442,164B1 | 08-2002 | Wu, Guoliang |
| | | US-2003/0061338A1 | 03-2003 | Stelliga, Tony |
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FOREIGN PATENT DOCUMENTS

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|-----------------------|--------------------------|---|--------------------------------|--|----------------|
| | | Country Code ³ - Number ⁴ Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | | |
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| Examiner Signature | | Date Considered | |
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Date Mailed: November 10, 2003 | Atty/Sec: SAT/dkc | Filing Date: February 14, 2000

Application No.: 09/503,975

Docket No.: 21816-04464

Applicants: Pawan Goyal

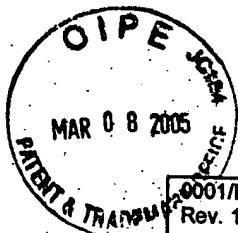
Title: Restricting Communication of Selected Processes to a Set of Specific Network Addresses

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Transmittal

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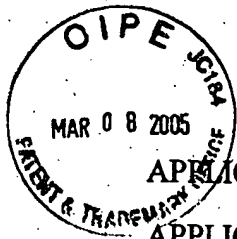
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| TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i> | 0001/PTO Rev. 10/95 | U.S. Department of Commerce Patent and Trademark Office | Application Number | 09/503,975 |
| | | | Filing Date | February 14, 2000 |
| | | | First Named Inventor | Pawan Goyal |
| | | | Group Art Unit Number | 2134 |
| | | | Examiner Name | Thomas M. Ho |
| Total Number of Pages in This Submission | | 5* | Attorney Docket Number | 21816-04464 |

| ENCLOSURES (check all that apply) | |
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| SIGNATURE OF ATTORNEY OR AGENT | | |
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| Signature: | | |
| Attorney/Reg. No.: | Jeffrey Brill, Reg. No. 51,198 | Dated: 11/10/03 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Pawan Goyal
APPLICATION NO.: 09/503,975
FILING DATE: February 14, 2000
TITLE: Restricting Communication of Selected Processes to a Set of
Specific Network Addresses
EXAMINER: Thomas M. Ho
GROUP ART UNIT: 2134
ATTY. DKT. NO.: 21816-04464

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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner. Enclosed is a copy of each listed reference that may be material to the examination of this application, and for which there may be a duty to disclose.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

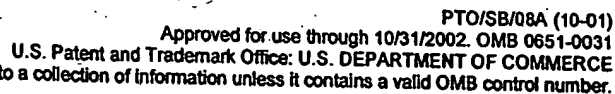
- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☐ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. [APPLICATION NUMBER], filed on [FILING DATE], and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
PAWAN GOYAL

Dated: 11/10/03

By: Jeffrey Brill
Jeffrey Brill, Reg. No.: 51,198
Fenwick & West LLP
Silicon Valley Center
801 California Street
Mountain View, CA 94041
Tel.: (650) 335-7291
Fax.: (650) 938-5200



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

| | |
|-------------------------------|--|
| Application No. | Complete if Known 09/503,975 |
| Filing Date | February 14, 2000 |
| First Named Inventor | Pawan Goyal |
| Art Unit | 2131 |
| Examiner Name | Gail O. Hayes |
| Attorney Docket Number | 21816-04464 |

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| Sheet | 1 | of | 1 |
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